

Isolation of intestinal epithelial cells

1. Wash the intestine with Ca⁺ Mg⁺ free PBS
2. Open longitudinally, cut in to small pieces
3. Incubate with Ca⁺ Mg⁺ free RPMI-1640 with 5mM EDTA with 100 IU/ml of penicillin streptomycin, 1% fungizone, 50 IU gentamicin for 20 minutes (epithelial cells)
4. Incubate 25 mM EDTA with Ca⁺ Mg⁺ free RPMI-1640 with 5mM EDTA with 100 IU/ml of penicillin streptomycin, 1% fungizone, 50 IU gentamicin for 20 minutes (epithelial cells + intraepithelial lymphocytes)
5. Wash 5 times to remove the EDTA.